

The claims defining the invention are as follows:

1. A water conditioner comprising a plate adapted to be located in a pipe and having, on at least one side thereof a number of means which cause water to adopt a required torturous flow through the pipe.
2. A water conditioner as claimed in claim 1 wherein the plate is provided with a number of posts which extend from each side thereof and which are normal thereto, the posts providing the required torturous path for the water through the conditioner.
3. A water conditioner as claimed in claim 2 wherein each post passes through the plate and extends from each side thereof.
4. A water conditioner as claimed in claim 2 or claim 3 wherein each post, where the conditioner is located, extends to a position adjacent the inner surface of the pipe.
5. A water conditioner as claimed in any one of claims 2 to 4 wherein the posts are in rows on or parallel to the longitudinal axis of the plate.
6. A water conditioner as claimed in any one of claims 1 to 5 wherein there are a number of generally longitudinal ribs which extend along the length of the conditioner.

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7. A water conditioner as claimed in any one of claims 2 to 5 wherein the ribs are generally longitudinal but regularly displaced from the longitudinal axis.
8. A water conditioner as claimed in claim 7 wherein the ribs adjacent the centre of the plate can be higher than those adjacent the edge of the plate so that when the conditioner is located in the pipe, the ribs are located adjacent the inner periphery of the pipe.
9. A water conditioner as claimed in any one of claims 6 to 8 and appended through claim 4 wherein the ribs are of a height equivalent to the height of the adjacent posts.
10. A water conditioner as claimed in any preceding claim wherein there are means to direct the incoming water towards the central portion of the conditioner.
11. A water conditioner as claimed in claim 10 wherein the means is a truncated conical member in the inlet.
12. A water conditioner as claimed in any preceding claim wherein an EMF is applied to the conditioner.